

Reference Genes for Quantitative Gene Expression Studies

PLoS ONE

9, e99678

DOI: [10.1371/journal.pone.0099678](https://doi.org/10.1371/journal.pone.0099678)

Citation Report

#	ARTICLE	IF	CITATIONS
1	ADNP: A major autism mutated gene is differentially distributed (age and gender) in the songbird brain. <i>Peptides</i> , 2015, 72, 75-79.	2.4	11
2	Validation of candidate reference genes for qRT-PCR studies in symbiotic and non-symbiotic <i>Casuarina glauca</i> Sieb. ex Spreng. under salinity conditions. <i>Symbiosis</i> , 2015, 66, 21-35.	2.3	13
3	Selection of Reference Genes for Expression Study in Pulp and Seeds of <i>Theobroma grandiflorum</i> (Willd. ex Spreng.) Schum. <i>PLoS ONE</i> , 2016, 11, e0160646.	2.5	10
4	Selection of reliable reference genes for normalization of quantitative RT-PCR from different developmental stages and tissues in amphioxus. <i>Scientific Reports</i> , 2016, 6, 37549.	3.3	37
5	FoxP2 directly regulates the reelin receptor VLDLR developmentally and by singing. <i>Molecular and Cellular Neurosciences</i> , 2016, 74, 96-105.	2.2	15
6	The 60S ribosomal protein L13 is the most preferable reference gene to investigate gene expression in selected organs from turkeys and chickens, in context of different infection models. <i>Veterinary Research</i> , 2016, 47, 105.	3.0	29
7	<i>CNTNAP2</i> is a direct FoxP2 target <i>in vitro</i> and <i>in vivo</i> in zebra finches: complex regulation by age and activity. <i>Genes, Brain and Behavior</i> , 2017, 16, 635-642.	2.2	21
8	Lateralization of housekeeping genes in the brain of one-day old chicks. <i>Gene Expression Patterns</i> , 2017, 25-26, 85-91.	0.8	10
9	Gene expression patterns in Korean native ducks (<i>Anas platyrhynchos</i>) with different apparent metabolisable energy (AME) levels. <i>Livestock Science</i> , 2017, 202, 67-73.	1.6	3
10	Selection of reference genes for quantitative real-time PCR analysis in chicken ovary following silver nanoparticle treatment. <i>Environmental Toxicology and Pharmacology</i> , 2017, 56, 186-190.	4.0	16
11	Pancreatic PYY but not PPY expression is responsive to short-term nutritional state and the pancreas constitutes the major site of PYY mRNA expression in chickens. <i>General and Comparative Endocrinology</i> , 2017, 252, 226-235.	1.8	14
12	Selection of reference genes for gene expression analysis by real-time qPCR in avian cells infected with infectious bronchitis virus. <i>Avian Pathology</i> , 2017, 46, 173-180.	2.0	7
13	Reference gene selection for gene expression study in shell gland and spleen of laying hens challenged with infectious bronchitis virus. <i>Scientific Reports</i> , 2017, 7, 14271.	3.3	22
14	Hemodynamics Modify Collagen Deposition in the Early Embryonic Chicken Heart Outflow Tract. <i>Journal of Cardiovascular Development and Disease</i> , 2017, 4, 24.	1.6	9
15	Elevated Immune Gene Expression Is Associated with Poor Reproductive Success of Urban Blue Tits. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	42
16	Protein-Protein Interaction Among the FoxP Family Members and their Regulation of Two Target Genes, VLDLR and CNTNAP2 in the Zebra Finch Song System. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 112.	2.9	22
17	HDAC3 Inhibitor RGFP966 Modulates Neuronal Memory for Vocal Communication Signals in a Songbird Model. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 65.	2.5	26
18	FoxP in bees: A comparative study on the developmental and adult expression pattern in three bee species considering isoforms and circuitry. <i>Journal of Comparative Neurology</i> , 2018, 526, 1589-1610.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Expression patterns of cryptochrome genes in avian retina suggest involvement of Cry4 in light-dependent magnetoreception. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180058.	3.4	55
20	Reference gene selection for reverse transcription quantitative polymerase chain reaction in chicken hypothalamus under different feeding status. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 286-296.	2.2	10
21	Gastrointestinal distribution of chicken gastrin-cholecystokinin family transcript expression and response to short-term nutritive state. <i>General and Comparative Endocrinology</i> , 2018, 255, 64-70.	1.8	15
22	Thyrotropic activity of corticotropin-releasing hormone in an altricial bird species, the zebra finch (<i>Taeniopygia guttata</i>). <i>General and Comparative Endocrinology</i> , 2018, 258, 99-108.	1.8	4
23	Heat Shock Protein Expression is Upregulated after Acute Heat Exposure in Three Species of Australian Desert Birds. <i>Avian Biology Research</i> , 2018, 11, 263-273.	0.9	9
24	Identification of reliable reference genes for quantitative real-time PCR in lung and heart of pulmonary hypertensive chickens. <i>Poultry Science</i> , 2018, 97, 4048-4056.	3.4	34
25	In vitro study on role of IrfB protein in avian reovirus pathogenesis. <i>Oncotarget</i> , 2018, 9, 19569-19583.	1.8	2
26	Selection of best reference genes for qRT-PCR analysis of human neural stem cells preconditioned with hypoxia or baicalein-enriched fraction extracted from <i>Oroxylum indicum</i> medicinal plant. <i>Heliyon</i> , 2019, 5, e02156.	3.2	10
27	PPAR expression, muscle size, and metabolic rates across the Gray catbird's annual cycle are greatest in preparation for fall migration. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	23
28	Armoured exogenous internal control for real-time PCR diagnosis of avian influenza. <i>Avian Pathology</i> , 2019, 48, 492-498.	2.0	3
29	Association analysis of SSTR2 copy number variation with cattle stature and its expression analysis in Chinese beef cattle. <i>Journal of Agricultural Science</i> , 2019, 157, 365-374.	1.3	5
30	Tissue-specific expression profiles and positive selection analysis in the tree swallow (<i>Tachycineta</i>) Tj ETQq1 1 0.784314 rgBT / Overlook	3.3	39
31	A new set of endogenous control genes for use in quantitative real-time PCR experiments show that formin <i>Ldia2dex</i> transcripts are enriched in the early embryo of the pond snail <i>Lymnaea stagnalis</i> (Panpulmonata). <i>Journal of Molluscan Studies</i> , 2019, 85, 388-396.	1.2	3
32	Domestic quail (<i>Coturnix japonica domestica</i>), is there such farm animal?. <i>World's Poultry Science Journal</i> , 2019, 75, 547-558.	3.0	28
33	Robust reference gene design and validation for expression studies in the large milkweed bug, <i>Oncopeltus fasciatus</i> , upon cardiac glycoside stress. <i>Gene</i> , 2019, 710, 66-75.	2.2	10
34	Identification of reliable reference genes for quantitative real-time PCR in ovary and uterus of laying hens under heat stress. <i>Stress</i> , 2019, 22, 387-394.	1.8	17
35	Identification of Reference Genes for Quantitative Gene Expression Studies in Three Tissues of Japanese Quail. <i>Genes</i> , 2019, 10, 197.	2.4	12
36	Survey of Reticuloendotheliosis Virus in Wild Turkeys (<i>Meleagris gallopavo</i>) in Texas, USA. <i>Journal of Wildlife Diseases</i> , 2019, 55, 689.	0.8	11

#	ARTICLE	IF	CITATIONS
37	Differential Song Deficits after Lentivirus-Mediated Knockdown of FoxP1, FoxP2, or FoxP4 in Area X of Juvenile Zebra Finches. <i>Journal of Neuroscience</i> , 2019, 39, 9782-9796.	3.6	20
38	Integrative analysis of <i>APOL3</i> gene CNV for adult cattle stature. <i>Animal Biotechnology</i> , 2020, 31, 440-446.	1.5	7
39	Acute social isolation alters neurogenomic state in songbird forebrain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23311-23316.	7.1	25
40	Avian interspecific differences in VKOR activity and inhibition: Insights from amino acid sequence and mRNA expression ratio of VKORC1 and VKORC1L1. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 228, 108635.	2.6	11
41	Determination of novel reference genes for improving gene expression data normalization in selected canine reproductive tissues – a multistudy analysis. <i>BMC Veterinary Research</i> , 2020, 16, 440.	1.9	9
42	Sex-and Region-Dependent Expression of the Autism-Linked ADNP Correlates with Social- and Speech-Related Genes in the Canary Brain. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 1671-1683.	2.3	7
43	Screening and validation of reference genes for qPCR analysis in gonads and embryos of <i>Takifugu bimaculatus</i> . <i>Aquaculture and Fisheries</i> , 2022, 7, 278-286.	2.2	3
44	Identification of Reference Genes in Chicken Intraepithelial Lymphocyte Natural Killer Cells Infected with Very-virulent Infectious Bursal Disease Virus. <i>Scientific Reports</i> , 2020, 10, 8561.	3.3	11
45	Standard guidelines for the publication of telomere qPCR results in evolutionary ecology. <i>Molecular Ecology Resources</i> , 2020, 20, 635-648.	4.8	23
46	Influence of heat stress on reference genes stability in heart and liver of two chickens genotypes. <i>PLoS ONE</i> , 2020, 15, e0228314.	2.5	5
47	Assessing the effect of starch digestion characteristics on ileal brake activation in broiler chickens. <i>PLoS ONE</i> , 2020, 15, e0228647.	2.5	8
48	Epigenetic potential affects immune gene expression in house sparrows. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	8
49	Transversal gene expression panel to evaluate intestinal health in broiler chickens in different challenging conditions. <i>Scientific Reports</i> , 2021, 11, 6315.	3.3	10
50	Acute restraint stress does not alter corticosteroid receptors or 11 β -hydroxysteroid dehydrogenase gene expression at hypothalamic–pituitary-adrenal axis regulatory sites in captive male white-crowned sparrows (<i>Zonotrichia leucophrys gambelii</i>). <i>General and Comparative Endocrinology</i> , 2021, 303, 113701.	1.8	8
51	Molecular characterization of <i>Gyps africanus</i> (African white-backed vulture) organic anion transporter 1 and 2 expressed in the kidney. <i>PLoS ONE</i> , 2021, 16, e0250408.	2.5	0
52	Identification of reliable reference genes for expression studies in the magnum of laying hens housed in cage and cage-free systems. <i>Veterinary Medicine and Science</i> , 2021, 7, 1890-1898.	1.6	6
53	Selection of reference genes for quantitative real-time PCR normalization in European quail tissues. <i>Molecular Biology Reports</i> , 2021, 48, 67-76.	2.3	7
54	Identification of Suitable Reference Genes for Real Time Quantitative Polymerase Chain Reaction Assays on Pectoralis major Muscle in Chicken (<i>Gallus gallus</i>). <i>PLoS ONE</i> , 2015, 10, e0127935.	2.5	39

#	ARTICLE	IF	CITATIONS
55	With Reference to Reference Genes: A Systematic Review of Endogenous Controls in Gene Expression Studies. PLoS ONE, 2015, 10, e0141853.	2.5	236
56	A Versatile Panel of Reference Gene Assays for the Measurement of Chicken mRNA by Quantitative PCR. PLoS ONE, 2016, 11, e0160173.	2.5	23
57	Influence of heat stress, sex and genetic groups on reference genes stability in muscle tissue of chicken. PLoS ONE, 2017, 12, e0176402.	2.5	26
58	Reference gene selection for molecular studies of dormancy in wild oat (<i>Avena fatua</i> L.) caryopses by RT-qPCR method. PLoS ONE, 2018, 13, e0192343.	2.5	18
59	Evaluation and Validation of the Six Housekeeping Genes for Normalizing Mrna Expression in the Ovarian Follicles and Several Tissues in Chicken. Brazilian Journal of Poultry Science, 2020, 22, .	0.7	3
60	Varying Expression of Mu and Kappa Opioid Receptors in Cockatiels (<i>Nymphicus hollandicus</i>) and Domestic Pigeons (<i>Columba livia domestica</i>). Frontiers in Genetics, 2020, 11, 549558.	2.3	7
61	FoxP2 isoforms delineate spatiotemporal transcriptional networks for vocal learning in the zebra finch. ELife, 2018, 7, .	6.0	19
63	Baseline Gene Expression Levels in Falkland-Malvinas Island Penguins: Towards a New Monitoring Paradigm. Life, 2022, 12, 258.	2.4	1
64	The expression of the gastrin/cholecystokinin (GAST/CCK) family and their receptors (CCKAR/CCKBR) in the chicken changes in response to quantitative restriction and reveals a functional role of CCK in the crop. General and Comparative Endocrinology, 2022, 321-322, 114024.	1.8	0
65	Meta-transcriptomic analysis of the virome and microbiome of the invasive Indian myna (<i>Acridotheres</i>) Tj ETQq1 1 0,784314 rgBT /Overl	3.4	19
66	Evolutionarily conserved properties of CLCA proteins 1, 3 and 4, as revealed by phylogenetic and biochemical studies in avian homologues. PLoS ONE, 2022, 17, e0266937.	2.5	2
71	Expression of vimentin, TPI and MAT2A in human dermal microvascular endothelial cells during angiogenesis in vitro. PLoS ONE, 2022, 17, e0266774.	2.5	3
72	Clarifying expression patterns by renal lesion using transcriptome analysis and vanin-1 as a potential novel biomarker for renal injury in chickens. Poultry Science, 2022, 101, 102011.	3.4	3
73	Reference gene selection for quantitative PCR in liver, skeletal muscle, and jejunum of <i>Bos indicus</i> cattle. Revista Brasileira De Zootecnia, 2022, 51, .	0.8	6
74	Screening of Stably Expressed Internal Reference Genes for Quantitative Real-Time PCR Analysis in Quail. Biology Bulletin, 2022, 49, 418-427.	0.5	4
75	Identification of suitable reference genes for normalization of <scp>quantitative realâ€time PCR</scp>â€based gene expression in chicken (<i>Gallus gallus</i>). Animal Genetics, 2022, 53, 881-887.	1.7	4
76	Investigation of chicken housekeeping genes using next-generation sequencing data. Frontiers in Genetics, 0, 13, .	2.3	5
77	Embryonic transcriptome unravels mechanisms and pathways underlying embryonic development with respect to muscle growth, egg production, and plumage formation in native and broiler chickens. Frontiers in Genetics, 0, 13, .	2.3	4

#	ARTICLE	IF	CITATIONS
78	Genomic, biochemical and expressional properties reveal strong conservation of the <i>CLCA2</i> gene in birds and mammals. PeerJ, 0, 10, e14202.	2.0	1
79	Molecular Surveillance for Lymphoproliferative Disease Virus and Reticuloendotheliosis Virus in Rio Grande Wild Turkeys (<i>Meleagris gallopavo intermedia</i>) in Texas, USA. Journal of Wildlife Diseases, 2022, 58, .	0.8	1
80	Effects of Cortical FoxP1 Knockdowns on Learned Song Preference in Female Zebra Finches. ENeuro, 2023, 10, ENEURO.0328-22.2023.	1.9	1
81	Identification of stable reference genes for quantitative gene expression analysis in the duodenum of meat-type ducks. Frontiers in Veterinary Science, 0, 10, .	2.2	2
82	Influence of Live Attenuated Salmonella Vaccines on Cecal Microbiome Composition and Microbiota Abundances in Young Broiler Chickens. Vaccines, 2023, 11, 1116.	4.4	1
83	Varied impacts of social relationships on neuroendocrine state. Hormones and Behavior, 2023, 155, 105403.	2.1	1
84	Sarcolipin relates to fattening, but not sarco/endoplasmic reticulum Ca ²⁺ -ATPase uncoupling, in captive migratory Gray Catbirds. Journal of Experimental Biology, 0, , .	1.7	1
85	Developmental toxicity of pyriproxyfen induces changes in the ultrastructure of neural cells and in the process of skull ossification. Toxicological Sciences, 2024, 198, 260-272.	3.1	0
86	Expression patterns of heat-shock genes during stopover and the trade-off between refueling and stress response in a passerine migrant. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2024, 194, 1-6.	1.5	0
87	Seasonal reproduction of <i>Megascops choliba</i> males in Southeastern Brazil (Aves, Strigidae): An endocrine and molecular study. , 2024, 4, 100077.		0